

## 2005 SPRING RISE AT SIOUX CITY, IOWA

The Missouri River had a bimodal spring rise at Sioux City during 2005. The first pulse (mode) started about 18 March with the initiation of the navigation season. The first mode had a general declining hydrograph until 28 April. The second pulse started about 3 June and was about 18 K cfs. The second pulse was the result of increased tributary flows from the James River and the Vermillion River and to a smaller degree from the Big Sioux River. The flows from these rivers were turbid and the water temperature in the Missouri River was greater than 16 °C. It remains to be seen if these reportedly “good” conditions triggered sturgeon spawning.

### MISSOURI RIVER FLOW AND TEMPERATURE AT SIOUX CITY, 2005

